

=> d his ful

(FILE 'HOME' ENTERED AT 19:13:02 ON 06 JUL 2008)
FILE 'REGISTRY' ENTERED AT 19:13:08 ON 06 JUL 2008
L1 STRUCTURE uploaded
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L2 7 SEA SSS SAM L1
L3 411 SEA SSS FUL L1
L4 ANALYZE PLU=ON L3 1- LC : 13 TERMS
 D
FILE 'ZCPLUS' ENTERED AT 19:14:25 ON 06 JUL 2008
L5 38 SEA ABB=ON PLU=ON L3
L6 17 SEA ABB=ON PLU=ON L5 AND (PD<=20000425 OR PRD<=20000425)
 D L6 1-17 IBIB HITSTR
FILE 'REGISTRY' ENTERED AT 19:19:04 ON 06 JUL 2008
L7 STRUCTURE uploaded
FILE 'HOME' ENTERED AT 19:19:34 ON 06 JUL 2008
FILE 'REGISTRY' ENTERED AT 19:19:38 ON 06 JUL 2008
L8 218 SEA SUB=L3 SSS FUL L7
FILE 'ZCPLUS' ENTERED AT 19:20:02 ON 06 JUL 2008
L9 14 SEA ABB=ON PLU=ON L8 AND L6
FILE 'REGISTRY' ENTERED AT 19:21:54 ON 06 JUL 2008
L10 STRUCTURE uploaded
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FILE 'ZCPLUS' ENTERED AT 19:23:07 ON 06 JUL 2008
L12 13 SEA ABB=ON PLU=ON L11 AND L9
 D L12 1-13 IBIB HITSTR

FILE HOME

FILE REGISTRY

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 4 JUL 2008 HIGHEST RN 1032821-09-2
DICTIONARY FILE UPDATES: 4 JUL 2008 HIGHEST RN 1032821-09-2

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<http://www.cas.org/support/stngen/stndoc/properties.html>

FILE ZCPLUS

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FILE COVERS 1907 - 6 Jul 2008 VOL 149 ISS 2

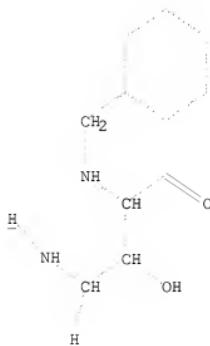
FILE LAST UPDATED: 4 Jul 2008 (20080704/ED)

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This file contains CAS Registry Numbers for easy and accurate substance identification.

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L1          STR
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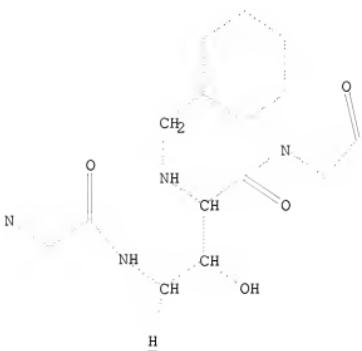
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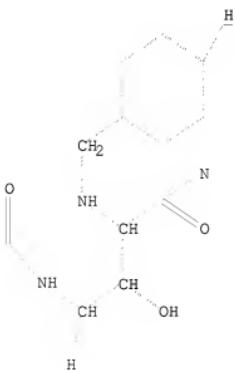
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L6 17 SEA FILE=ZCPLUS ABB=ON PLU=ON L5 AND (PD<=20000425 OR

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STR
L7



Structure attributes must be viewed using STN Express query preparation.
L8 218 SEA FILE=REGISTRY SUB=L3 SSS FUL L7
L9 14 SEA FILE=ZCAPPLUS ABB=ON PLU=ON L8 AND L6
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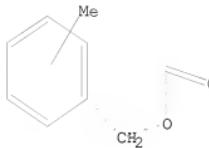
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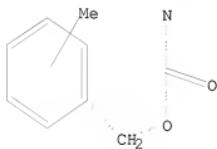
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=> d que sta
L13

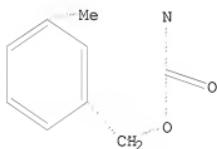
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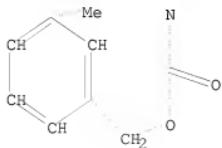
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L23 890 SEA FILE=REGISTRY SUB=L14 SSS FUL L22
L26 STR



Structure attributes must be viewed using STN Express query preparation.
L27 459 SEA FILE=REGISTRY SUB=L23 SSS FUL L26
L28 STR



Structure attributes must be viewed using STN Express query preparation.
L29 99 SEA FILE=REGISTRY SUB=L27 SSS FUL L28
L30 44 SEA FILE=ZCPLUS ABB=ON PLU=ON L29
L31 14 SEA FILE=ZCPLUS ABB=ON PLU=ON L30 AND PD<=20000425

=> d his ful

(FILE 'HOME' ENTERED AT 19:13:02 ON 06 JUL 2008)

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L3 411 SEA SSS FUL L1
L4 ANALYZE PLU=ON L3 1- LC : 13 TERMS
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L11 112 SEA SUB=L8 SSS FUL L10

FILE 'ZCPLUS' ENTERED AT 19:23:07 ON 06 JUL 2008
L12 13 SEA ABB=ON PLU=ON L11 AND L9
 D L12 1-13 IBIB HITSTR
 D QUE STA

FILE 'STNGUIDE' ENTERED AT 19:30:38 ON 06 JUL 2008

FILE 'ZCPLUS' ENTERED AT 19:38:34 ON 06 JUL 2008
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 D SAVE
L13 STRUCTURE uploaded
 D
 S L13

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 D L18 1- SQIDE
 D L18 1-2 ED
L19 61 SEA ABB=ON PLU=ON L15 AND SQL<=5

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L21 22 SEA ABB=ON PLU=ON L20 AND PD<20000425
 D L21 20-22 IBIB HITSTR

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L23 890 SEA SUB=L14 SSS FUL L22

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L25 0 SEA ABB=ON PLU=ON L24 AND L21
 D L24 265-268
 D L24 265-268 HITSTR

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L27 459 SEA SUB=L23 SSS FUL L26
L28 STRUCTURE uploaded
 D
L29 99 SEA SUB=L27 SSS FUL L28

FILE 'ZCAPLUS' ENTERED AT 20:27:37 ON 06 JUL 2008
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 D L31 1-14 IBIB HITSTR
 D QUE STA

FILE HOME

FILE REGISTRY

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DICTIONARY FILE UPDATES: 4 JUL 2008 HIGHEST RN 1032821-09-2

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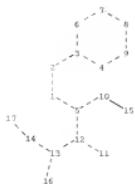
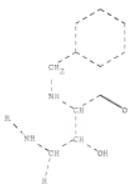
FILE COVERS 1907 - 6 Jul 2008 VOL 149 ISS 2
FILE LAST UPDATED: 4 Jul 2008 (20080704/ED)

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New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

FILE STNGUIDE
FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Jul 4, 2008 (20080704/UP).



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 1 2 5 10 11 12 13 14 15 16 17

ring nodes :
 3 4 6 7 8 9

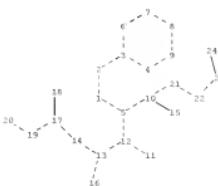
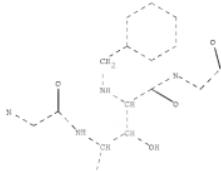
chain bonds :
 1-2 1-5 2-3 5-10 5-12 10-15 11-12 12-13 13-14 13-16 14-17

ring bonds :
 3-4 3-6 4-9 6-7 7-8 8-9

exact/norm bonds :
 1-2 1-5 2-3 3-4 3-6 4-9 5-10 5-12 6-7 7-8 8-9 10-15 11-12 12-13 13-14 13-16
 14-17

Match level :

1:CLASS 2:CLASS 3:Atom 4:Atom 5:CLASS 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS 11:CLASS
 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS



chain nodes :

1 2 5 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

ring nodes :

3 4 6 7 8 9

chain bonds :

1-2 1-5 2-3 5-10 5-12 10-15 10-21 11-12 12-13 13-14 13-16 14-17 17-18 17-19 19-20
21-22 22-23 23-24

ring bonds :

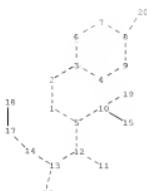
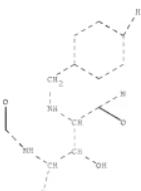
3-4 3-6 4-9 6-7 7-8 8-9

exact/norm bonds :

1-2 1-5 2-3 3-4 3-6 4-9 5-10 5-12 6-7 7-8 8-9 10-15 10-21 11-12 12-13 13-14
13-16 14-17 17-18 17-19 19-20 21-22 22-23 23-24

Match level :

1:CLASS 2:CLASS 3:Atom 4:Atom 5:CLASS 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS 11:CLASS
12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:CLASS 20:CLASS
21:CLASS 22:CLASS 23:CLASS 24:CLASS



chain nodes :

1 2 5 10 11 12 13 14 15 16 17 18 19 20

ring nodes :

3 4 6 7 8 9

chain bonds :

1-2 1-5 2-3 5-10 5-12 8-20 10-15 10-19 11-12 12-13 13-14 13-16 14-17 17-18

ring bonds :

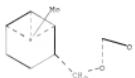
3-4 3-6 4-9 6-7 7-8 8-9

exact/norm bonds :

1-2 1-5 2-3 3-4 3-6 4-9 5-10 5-12 6-7 7-8 8-9 8-20 10-15 10-19 11-12 12-13
13-14 13-16 14-17 17-18

Match level :

1:CLASS 2:CLASS 3:Atom 4:Atom 5:CLASS 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS 11:CLASS
12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:CLASS 20:CLASS



chain nodes :
7 9 10 11 12
ring nodes :
1 2 3 4 5 6
chain bonds :
6-9 9-10 10-11 11-12
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6
exact/norm bonds :
6-9 9-10 10-11 11-12
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:Atom 9:CLASS 10:CLASS 11:CLASS
12:CLASS



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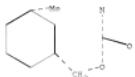
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ring nodes :
 1 2 3 4 5 6
chain bonds :
 6-9 9-10 10-11 11-12 11-13
ring bonds :
 1-2 1-6 2-3 3-4 4-5 5-6
exact/norm bonds :
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normalized bonds :
 1-2 1-6 2-3 3-4 4-5 5-6

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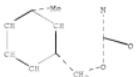
Match level :
 1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:Atom 9:CLASS 10:CLASS 11:CLASS
 12:CLASS 13:CLASS

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chain nodes :
 7 8 9 10 11 12
 ring nodes :
 1 2 3 4 5 6
 chain bonds :
 4-7 6-8 8-9 9-10 10-11 10-12
 ring bonds :
 1-2 1-6 2-3 3-4 4-5 5-6
 exact/norm bonds :
 4-7 6-8 8-9 9-10 10-11 10-12
 normalized bonds :
 1-2 1-6 2-3 3-4 4-5 5-6

Match level :
 1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS 11:CLASS
 12:CLASS



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chain nodes :
 7 8 9 10 11 12
ring nodes :
 1 2 3 4 5 6
chain bonds :
 4-7 6-8 8-9 9-10 10-11 10-12
ring bonds :
 1-2 1-6 2-3 3-4 4-5 5-6
exact/norm bonds :
 4-7 6-8 8-9 9-10 10-11 10-12
normalized bonds :
 1-2 1-6 2-3 3-4 4-5 5-6

```

```

Match level :
 1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS 11:CLASS
 12:CLASS

```